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03/30/04 TUE 15:00 FAX 847 391 2387

UOP PATENT DPT.

002

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE  
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

23490 7590 12/30/2003

JOHN G TOLOMEI, PATENT DEPARTMENT  
UOP LLC  
25 EAST ALGONQUIN ROAD  
P O BOX 5017  
DES PLAINES, IL 60017-5017

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## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Rose A. Lubich	(Depositor's name)
<i>Rose A. Lubich</i>	(Signature)
March 30, 2004	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/608,080	06/30/2000	Robert C. Mulvaney III	101048-1	2350

TITLE OF INVENTION: CONTROLLED REACTANT INJECTION WITH PERMEABLE PLATES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	03/30/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
WACHTEL, ALEXIS A	1764	422-200000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 JOHN G. TOLOMEI  
2 JAMES C. PASCHALL  
3

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

UOP LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

DES PLAINES, ILLINOIS

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☐ Publication Fee☐ Advance Order - # of Copies

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(Authorized Signature)

*James C. Paschall*

(Date)

March 30, 2004

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01 FC:1501

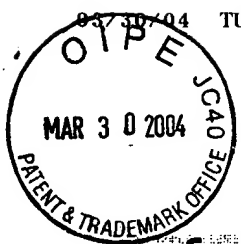
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PTOL-85 (Rev. 11/03) Approved for use through 04/30/2004.

OMB 0651-0033

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UOP PATENT DPT.

001

UOP LLC  
25 E. Algonquin Road  
P.O. Box 5017  
Des Plaines, IL 60017-5017  
Phone: 847-391-2040  
Fax: 847-391-2387

## facsimile transmittal

To:	CUSTOMER SERVICE CENTER	Fax:	703-746-4000
Dept:	OFFICE OF PATENT PUBLICATIONS	Phone:	703-305-8283
From:	Rose Lubich, Patent Dept.	Date:	3/30/04
Phone:	847-391-2040	Fax:	847-391-2387
Serial Number:	09/608,080	Examiner:	ALEXIS A. WACHTEL
Allowance Date:	12/30/03	Art Unit:	1764
Issue Fee Date:	3/30/04	Confirm.No.:	2350
Attachments:	1. PART B - ISSUE FEE TRANSMITTAL; 2. FEE TRANSMITTAL FOR FY 2004; 3. CREDIT CARD FORM PTO-2038.		
	Pages:	4 including this page.	

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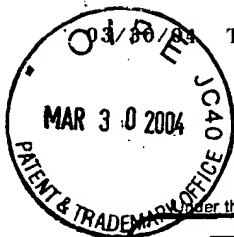
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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1330

**Complete if Known**

Application Number	09/608,080
Filing Date	June 30, 2000
First Named Inventor	Robert C. Mulvaney III
Examiner Name	Alexis A. Wachtel
Art Unit	1764
Attorney Docket No.	101048-1

**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number  
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The Director is authorized to: (check all that apply)

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Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 0

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	\$18	
Multiple Dependent	-3** =	\$66	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	1330
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner.	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) 1814 Statutory disclaimer (\$110)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 1330

**SUBMITTED BY**

Name (Print/Type)	James C. Paschall	Registration No. (Attorney/Agent)	36,887	Telephone	847 391-2355
Signature	<i>James C. Paschall</i>	Date	March 30, 2004		

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